

**STATE OF ARIZONA**  
**AQUIFER PROTECTION PERMIT NO. P-104083**  
**PLACE ID 10501, LTF 70035**  
**SIGNIFICANT AMENDMENT**

**1.0 AUTHORIZATION**

In compliance with the provisions of Arizona Revised Statutes (A.R.S.) Title 49, Chapter 2, Articles 1, 2, and 3, Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Articles 1 and 2, A.A.C. Title 18, Chapter 11, Article 4 and amendments thereto, and the conditions set forth in this permit, the Arizona Department of Environmental Quality (ADEQ) hereby authorizes Utilities Sources, LLC, to operate the Flagstaff Meadows Wastewater Treatment Plant located off exit 185 and Interstate 40, on Brannigan Park Road, Belmont, Coconino County, Arizona, over groundwater of the Little Colorado River Plateau Basin, in SW1/4, SW1/4, SW1/4, Township 22N, Range 5E Section 36 of the Gila and Salt River Base Line and Meridian.

This permit becomes effective on the date of the Water Quality Division Director's signature and shall be valid for the life of the facility (operational, closure, and post-closure periods) unless suspended or revoked pursuant to A.A.C. R18-9-A213. The permittee shall construct, operate and maintain the permitted facilities:

1. Following all the conditions of this permit including the design and operational information documented or referenced below, and
2. Such that Aquifer Water Quality Standards (AWQS) are not violated at the applicable point(s) of compliance (POC) set forth below or if an AWQS for a pollutant has been exceeded in an aquifer at the time of permit issuance, that no additional degradation of the aquifer relative to that pollutant and as determined at the applicable POC occurs as a result of the discharge from the facility.

**1.1 PERMITTEE INFORMATION**

**Facility Name:** Flagstaff Meadows Wastewater Treatment Plant  
**Facility Address:** Brannigan Park Road  
Bellmont, Arizona, 86015  
**County:** Coconino

**Permitted Flow Rate:** 165,000 gallons per day (gpd)

**Permittee:** Utility Source, LLC  
**Permittee Address:** 20525 E Chandler Heights Rd  
Queen Creek, Arizona 85142

**Facility Contact:** Wastewater Manager  
**Emergency Phone No.:** (928) 699-2226

**Latitude/Longitude:** 35° 14' 21" N/ 111° 49' 24" W  
**Legal Description:** Township 22N, Range 5E Section 36 of the Gila and Salt River Base Line and Meridian.

**1.2 AUTHORIZING SIGNATURE**

\_\_\_\_\_  
**Trevor Baggione, Director**  
Water Quality Division  
Arizona Department of Environmental Quality

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 2018

**THIS AMENDED PERMIT SUPERCEDES ALL PREVIOUS PERMITS**

**2.0 SPECIFIC CONDITIONS [A.R.S. §§ 49-203(4), 49-241(A)]****2.1 Facility / Site Description [A.R.S. § 49-243(K)(8)]**

This permit authorizes the Utility Source, LLC, to operate the Flagstaff Meadows Wastewater Treatment Plant (WWTP), and expansion of the existing plant. The existing facility has the capacity to collect and treat up to 0.10 million gallons per day (mgd), the modification will increase the treatment capacity to of the WWTP to 0.165 mgd.

**Existing Facility**

The existing 0.1 mgd WWTP consists of an influent lift station, a headworks with bar screens, an equalization basin, one anoxic tank, two aeration tanks and a de-nitrification tank for nitrification-denitrification, secondary clarifier, a sand filter, a chlorine disinfection contact tank, de-chlorination, a sludge holding tank, and an effluent pump station. The effluent generated may be discharged to an unnamed tributary to the Volunteer Wash as regulated by AZPDES permit AZ0024708 or reuse under a valid Recycled Water Permit.

**Upgraded Facility**

The Upgraded WWTP shall be authorized to treat up to 0.165 mgd. The WWTP will consist of an influent lift station with two (2) new pumps, a new headwork with a static screen, an equalization basin, two anoxic tanks (one new and one converted from the existing sludge holding tank), two (2) parallel aeration trains (each of which include two aeration tanks in a series), an reaeration tank, two (2) secondary clarifiers, a standby chemical feed, a sand filter with new media, a turbidimeter, a new UV disinfection unit, two (2) effluent tanks, an effluent pump station and the old abandoned Sequencing Batch Reactor tank will be converted into the sludge holding tank.

The effluent may be discharged to an unnamed tributary to the Volunteer Wash as regulated by AZPDES permit AZ0024708 or reused under a valid Recycled Water Permit. Sludge will be stored in the sludge holding tank prior to being hauled off-site for management and disposal in accordance with state and federal regulations.

**Amendment Description:**

The amendment provides for the following changes:

- increase the design flow from 0.1 mgd to 0.165 mgd
- the rehabilitation of the existing treatment units including the influent pump station, the equalization basin, the aeration tanks, and filtration
- addition of the new treatment units including the static screen, the anoxic tank, the clarifier, standby chemical feed, a sand filter with new media, a turbidimeter, and the UV disinfection unit.

All industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

**Discharging Facilities**

The site includes the following permitted discharging facilities:

Facility	Latitude	Longitude
WWTP	35° 14' 21" N	111° 49' 24" W
Tributary to the Volunteer Wash	35° 13' 52" N	111° 48' 36" W

**Annual Registration Fee [A.R.S. § 49-242 and A.A.C. R18-14-104]**

The annual registration fee for this permit is payable to ADEQ each year. The permitted flow for fee calculation is 165,000 gpd. If the facility is not yet constructed or is incapable of discharge at this time, the permittee may be eligible for reduced fees under the rule. Send all correspondence requesting reduced fees to the Water Quality Division of ADEQ. Please reference the permit number, LTF number and why reduced fees are requested under the rule.

**Financial Capability [A.R.S. § 49-243(N) and A.A.C. R18-9-A203]**

The permittee has demonstrated financial capability under A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The permittee shall maintain financial capability throughout the life of the facility. The estimated dollar amount demonstrated for financial capability is \$142,040.42. The financial capability was demonstrated through a Letter of Credit per A.A.C. R18-9-A203(C)(5).

**2.2 Best Available Demonstrated Control Technology (BADCT)****[A.R.S. § 49-243(B) and A.A.C. R18-9-A202(A)(5)]**

The WWTP was designed, constructed, and shall be operated, and maintained to meet the treatment performance criteria for new facilities as specified in A.A.C. R18-9-B204. The facility shall meet the performance requirement for industrial pre-treatment as per A.A.C. R18-9-B204(A)(6)(b)(iii).

All Industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

**2.2.1 Engineering Design**

The WWTP upgrade was designed as per the design report prepared and stamped, dated, and signed (sealed) by David Monihan, P.E. (Professional Engineer) Shephard Wesnitzer, Inc. dated February 21, 2018 and subsequent sealed submittals that served as additions to the design report. The existing facility was designed as per the design report prepared and stamped, dated and signed (sealed) by Curtis Engineering dated April 30, 2004.

**2.2.2 Site-specific Characteristics**

Not applicable at the time of permit issuance.

**2.2.3 Pre-operational Requirements**

The permittee shall submit the signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department per the Compliance Schedule in Section 3.0, Item No. 1 for the new and modified units of WWTP. The Certificate shall be submitted to the Groundwater Protection Value Stream.

**2.2.4 Operational Requirements**

1. The permittee shall maintain a copy of the up-to-date operations and maintenance manual at the WWTP at all times; the manual shall be available upon request during inspections by ADEQ personnel.
2. The pollution control structures shall be inspected for the items listed in Section 4.2, Table III Facility Inspection (Operational Monitoring).
3. If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in the event of a violation or exceedance as per 2.7.3.

**2.2.5 Reclaimed Water Classification****[A.A.C. R18-9-703(C)(2)(a), A.A.C. R18-11-303 through 307]**

The treatment facility is rated as producing reclaimed water meeting the Class A+ Reclaimed Water Quality Standards (A.A.C. R18-11, Article 3) and may be used for any allowable Class A, B or C use under a valid reclaimed water permit (A.A.C. R18-9, Article 7).

**2.2.6 Certified Areawide Water Quality Management Plan Conformance****[A.A.C. R18-9-A201(B)(6)(a)]**

Facility operations must conform to the approved Certified Areawide Water Quality Management Plan according to the 208 consistency determination in place at the time of permit issuance.

**2.3 Discharge Limitations [A.R.S. §§ 49-201(14), 49-243 and A.A.C. R18-9-A205(B)]**

1. The permittee is authorized to discharge up to 0.1 mgd for the Existing WWTP and 0.165 mgd for the

Upgraded WWTP.

2. The permittee shall operate and maintain all permitted facilities to prevent unauthorized discharges pursuant to A.R.S. § 49-201(12) resulting from failure or bypassing of applicable BADCT.
3. Specific discharge limitations are listed in Section 4.2, Tables IA or IA-1 and IB.

#### 2.4 Point(s) of Compliance (POC)[A.R.S. § 49-244]

The Point of Compliance is established at the following location:

POC #	POC Location	Latitude	Longitude
1 (Conceptual)	Located next to AZPDES discharge point	35°15'52" N	111°48'37" W

Groundwater monitoring is not required at the point of compliance (conceptual well only). The Director may amend this permit to designate additional points of compliance if information on groundwater gradients or groundwater usage indicates the need.

#### 2.5 Monitoring Requirements [A.R.S. § 49-223(G), A.A.C. R18-9-A206(A)]

Unless otherwise specified in this permit, all monitoring required in this permit shall continue for the duration of the permit, regardless of the status of the facility. Unless otherwise provided, monitoring shall commence the first full monitoring period following permit issuance. All sampling, preservation and holding times shall be in accordance with currently accepted standards of professional practice. Trip blanks, equipment blanks and duplicate samples shall also be obtained, and Chain-of-Custody procedures shall be followed, in accordance with currently accepted standards of professional practice. Copies of laboratory analyses and Chain-of-Custody forms shall be maintained at the permitted facility. Upon request, these documents shall be made immediately available for review by ADEQ personnel.

##### 2.5.1 Pre-Operational Monitoring

Not Applicable.

##### 2.5.2 Discharge Monitoring

The permittee shall monitor the effluent according to Section 4.2, Tables IA and IA-1, representative samples of the effluent shall be collected at the effluent pump station. Effluent flow will be measured downstream of the filters.

##### 2.5.3 Reclaimed Water Monitoring

In addition to routine discharge monitoring parameters listed in Table IA-1, reclaimed water monitoring is required. The permittee shall monitor the parameters listed under Table IB, representative samples of the reclaimed water shall be collected at the effluent pump station.

##### 2.5.4 Surface Water Monitoring and Sampling Protocols

Routine surface water monitoring is not required under the terms of this permit.

##### 2.5.5 Groundwater Monitoring and Sampling Protocols

Groundwater monitoring is not required under the terms of this permit

##### 2.5.6 Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.2, Table III.

If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in case of a violation or exceedance as per 2.7.3.

##### 2.5.7 Analytical Methodology

All samples collected for compliance monitoring shall be analyzed using Arizona state-approved methods. If no state-approved method exists, then any appropriate EPA-approved method shall be used. Regardless of the method used, the detection limits must be sufficient to determine compliance with the regulatory limits of the parameters specified in this permit. If all methods have detection limits higher than the applicable limit, the permittee shall follow the contingency requirements of Section 2.6 and may propose “other actions” including amending the permit to set higher limits. Analyses shall be performed by a laboratory licensed by the Arizona Department of Health Services, Office of Laboratory Licensure and Certification unless exempted under A.R.S. § 36-495.02. For results to be considered valid, all analytical work shall meet quality control standards specified in the approved methods. A list of Arizona state-certified laboratories can be obtained at the address below:

Arizona Department of Health Services  
Office of Laboratory Licensure and Certification  
250 North 17<sup>th</sup> Avenue  
Phoenix, Arizona 85007  
Phone: (602) 364-0720

### **2.5.8 Installation and Maintenance of Monitoring Equipment**

Monitoring equipment required by this permit shall be installed and maintained so that representative samples required by the permit can be collected. If new groundwater wells are determined to be necessary, the construction details shall be submitted to the Groundwater Protection Value Stream for approval prior to installation and the permit shall be amended to include any new monitoring points.

## **2.6 Contingency Plan Requirements**

**[A.R.S. § 49-243(K)(3), (K)(7) and A.A.C. R18-9-A204 and R18-9-A205]**

### **2.6.1 General Contingency Plan Requirements**

At least one copy of this permit and the approved contingency and emergency response plan submitted in the application shall be maintained at the location where day-to-day decisions regarding the operation of the facility are made. The permittee shall be aware of and follow the contingency and emergency plans.

Any AL exceedance, or violation of an AQL, DL, or other permit condition shall be reported to ADEQ following the reporting requirements in Section 2.7.3.

Some contingency actions involve verification sampling. Verification sampling shall consist of the first follow-up sample collected from a location that previously indicated a violation or the exceedance of an AL. Collection and analysis of the verification sample shall use the same protocols and test methods to analyze for the pollutant or pollutants that exceeded an AL or violated an AQL or DL. The permittee is subject to enforcement action for the failure to comply with any contingency actions in this permit. Where verification sampling is specified in this permit, it is the option of the permittee to perform such sampling. If verification sampling is not conducted within the timeframe allotted, ADEQ and the permittee shall presume the initial sampling result to be confirmed as if verification sampling had been conducted. The permittee is responsible for compliance with contingency plans relating to the exceedance of an AL or violation of a DL, AQL or any other permit condition.

### **2.6.2 Exceeding of Alert Levels and Performance Levels**

#### **2.6.2.1 Exceeding of Performance Levels Set for Operational Conditions**

1. If an operational performance level (PL) set in Section 4.2, Table III has been exceeded the permittee shall:
  - a. Notify the Groundwater Protection Value Stream (see Section 2.7.5) within five days of becoming aware of the exceedance.
  - b. Submit a written report to the Groundwater Protection Value Stream within 30 days

after becoming aware of the exceedance. The report shall document all of the following:

- (1) A description of the exceedance and its cause;
  - (2) The period of the exceedance, including exact date(s) and time(s), if known, and the anticipated time period during which the exceedance is expected to continue;
  - (3) Any action taken or planned to mitigate the effects of the exceedance or spill, or to eliminate or prevent recurrence of the exceedance or spill;
  - (4) Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS; and
  - (5) Any malfunction or failure of pollution control devices or other equipment or process.
2. The facility is no longer on alert status once the operational indicator no longer indicates that a PL is being exceeded. The permittee shall, however, complete all tasks necessary to return the facility to its pre-alert operating condition.

#### **2.6.2.2 Exceeding of Alert Levels (ALs) Set for Discharge Monitoring**

1. If an AL set in Section 4.2, Tables IA and IA-1, has been exceeded, the permittee shall immediately investigate to determine the cause of the AL exceedance. The investigation shall include the following:
  - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the AL exceedance;
  - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences; and
  - c. Sampling of individual waste streams composing the wastewater for the parameters being exceeded;
2. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation, which may have led to an AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6.
3. Within 30 days of an AL exceedance, the permittee shall submit the laboratory results to the Groundwater Protection Value Stream, along with a summary of the findings of the investigation, the cause of the AL exceedance, and actions taken to resolve the problem.
4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

##### **2.6.2.2.1 Exceeding Permit Flow Limit**

If the AL for average monthly flow in Section 4.2, Tables IA and IA-1, has been exceeded, the permittee shall submit an application to ADEQ for an APP amendment to expand the WWTP, or submit a report detailing the reasons an expansion is not necessary. Acceptance of the report instead of an application for expansion requires ADEQ approval.

#### **2.6.2.3 Exceeding of Alert Levels in Groundwater Monitoring**

##### **2.6.2.3.1 Alert Levels for Indicator Parameters**

No ALs have been established for indicator parameters.

##### **2.6.2.3.2 Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards**

Not required at the time of permit issuance.

**2.6.2.3.3 Alert Levels to Protect Downgradient Users from Pollutants Without Numeric Aquifer Water Quality Standards**

Not required at the time of permit issuance.

**2.6.2.3.4 Alert Level for Groundwater Level**

Not required at the time of permit issuance.

**2.6.3 Discharge Limit Violation**

1. If a DL set in Section 4.2, Tables IA, IA-1 or IB, has been violated, the permittee shall immediately investigate to determine the cause of the violation. The investigation shall include the following:
  - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the violation;
  - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences; and
  - c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the violation, the permittee shall sample individual waste streams composing the wastewater for the parameters in violation, as necessary to identify the cause of the violation.

The permittee also shall submit a report according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. The permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water or groundwater, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in an ADEQ approved contingency plan, or separately approved according to Section 2.6.6.

2. The permittee shall comply with the freeboard requirements as specified in Section 4.2, Table III (Facility Inspections) to prevent the overtopping of an impoundment. If an impoundment or sludge drying bed is overtopped, the permittee shall follow the requirements in Section 2.6.5.3 and the reporting requirements of Section 2.7.3.
3. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, or other actions.

**2.6.4 Aquifer Quality Limit Violation**

Not Applicable

**2.6.5 Emergency Response and Contingency Requirements for Unauthorized Discharges pursuant to A.R.S. § 49-201(12) and pursuant to A.R.S. § 49-241****2.6.5.1 Duty to Respond**

The permittee shall act immediately to correct any condition resulting from a discharge pursuant to A.R.S. § 49-201(12) if that condition could pose an imminent and substantial endangerment to public health or the environment.

**2.6.5.2 Discharge of Hazardous Substances or Toxic Pollutants**

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of suspected hazardous substances (A.R.S. § 49-201(19)) or toxic pollutants (A.R.S. § 49-243(I)) on the facility site, the permittee shall promptly isolate the area and attempt to identify the discharged material. The permittee shall record information, including name, nature of exposure and follow-up medical treatment, if necessary, on persons who may have been exposed during the incident. The permittee shall notify the Groundwater Protection Value Stream within 24 hours of discovering the discharge of hazardous material which (a) has the potential to cause an AWQS or AQL exceedance, or (b) could pose an endangerment to public health or the environment.

**2.6.5.3 Discharge of Non-hazardous Materials**

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of non-hazardous materials from the facility, the permittee shall promptly attempt to cease the discharge and isolate the discharged material. Discharged material shall be removed and the site cleaned up as soon as possible. The permittee shall notify the Groundwater Protection Value Stream within 24 hours of discovering the discharge of non-hazardous material which has the potential to cause an AQL exceedance, or could pose an endangerment to public health or the environment.

**2.6.5.4 Reporting Requirements**

The permittee shall submit a written report for any unauthorized discharges reported under Sections 2.6.5.2 and 2.6.5.3 to the Groundwater Protection Value Stream within 30 days of the discharge or as required by subsequent ADEQ action. The report shall summarize the event, including any human exposure, and facility response activities and include all information specified in Section 2.7.3. If a notice is issued by ADEQ subsequent to the discharge notification, any additional information requested in the notice shall also be submitted within the time frame specified in the notice. Upon review of the submitted report, ADEQ may require additional monitoring or corrective actions.

**2.6.6 Corrective Actions**

Specific contingency measures identified in Section 2.6 have already been approved by ADEQ and do not require written approval to implement.

With the exception of emergency response actions taken under Section 2.6.5, the permittee shall obtain written approval from the Groundwater Protection Value Stream prior to implementing a corrective action to accomplish any of the following goals in response to exceedance of an AL or violation of an AQL, DL, or other permit condition:

1. Control of the source of an unauthorized discharge;
2. Soil cleanup;
3. Cleanup of affected surface waters;
4. Cleanup of affected parts of the aquifer;
5. Mitigation to limit the impact of pollutants on existing uses of the aquifer.

Within 30 days of completion of any corrective action, the operator shall submit to the Groundwater Protection Value Stream, a written report describing the causes, impacts, and actions taken to resolve the problem.

**2.7 Reporting and Recordkeeping Requirements**

[A.R.S. § 49-243(K)(2) and A.A.C. R18-9-A206(B) and R18-9-A207]

**2.7.1 Self-monitoring Report Form**

1. The permittee shall complete the Self-Monitoring Reporting Forms (SMRFs) provided by ADEQ, and submit the completed report through the myDEQ online reporting system.
2. The permittee shall complete the SMRF to the extent that the information reported may be entered on the form. If no information is required during a reporting period, the permittee shall enter “not required” on the form, include an explanation, and submit the form to the Groundwater Protection Value Stream.
3. The tables contained in Section 4.2 list the monitoring parameters and the frequencies for reporting results on the SMRF:
  - Table IA - Routine Discharge Monitoring – Existing WWTP
  - Table IA-1 - Routine Discharge Monitoring – Upgraded WWTP
  - Table IB – Reclaimed Monitoring (for Table IA-1 only)

The parameters listed in the above-identified tables from Section 4.2 are the only parameters for which SMRF reporting is required.

**2.7.2 Operation Inspection / Log Book Recordkeeping**



A signed copy of this permit shall be maintained at all times at the location where day-to-day decisions regarding the operation of the facility are made. A log book (paper copies, forms, or electronic data) of the inspections and measurements required by this permit shall be maintained at the location where day-to-day decisions are made regarding the operation of the facility. The log book shall be retained for ten years from the date of each inspection, and upon request, the permit and the log book shall be made immediately available for review by ADEQ personnel. The information in the log book shall include, but not be limited to, the following information as applicable:

1. Name of inspector;
2. Date and time inspection was conducted;
3. Condition of applicable facility components;
4. Any damage or malfunction, and the date and time any repairs were performed;
5. Documentation of sampling date and time; and
6. Any other information required by this permit to be entered in the log book.
7. Monitoring records for each measurement shall comply with A.A.C. R18-9-A206(B)(2).

#### **2.7.3 Permit Violation and Alert Level Status Reporting**

1. The permittee shall notify the Groundwater Protection Value Stream in writing within five days (except as provided in Section 2.6.5) of becoming aware of an AL exceedance, or violation of any permit condition, AQL, or DL.
2. The permittee shall submit a written report to the Groundwater Protection Value Stream within 30 days of becoming aware of the violation of any permit condition, AQL, or DL. The report shall document all of the following:
  - a. Identification and description of the permit condition for which there has been a violation and a description of the cause;
  - b. The period of violation including exact date(s) and time(s), if known, and the anticipated time period during which the violation is expected to continue;
  - c. Any corrective action taken or planned to mitigate the effects of the violation, or to eliminate or prevent a recurrence of the violation;
  - d. Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS;
  - e. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring; and
  - f. Description of any malfunction or failure of pollution control devices or other equipment or processes.

#### **2.7.4 Operational, Other or Miscellaneous Reporting**

The permittee shall record the information as required in Table III in the facility log book as per Section 2.7.2, and report to ADEQ any violations or exceedances as per Section 2.7.3.

#### **2.7.5 Reporting Location**

All Self-Monitoring Report Forms (SMRFs) shall be submitted through the myDEQ portal accessible on the ADEQ website at:

<http://www.azdeq.gov/welcome-mydeq>

All documents required by this permit to be submitted to the Groundwater Protection Value Stream shall be directed to:

Arizona Department of Environmental Quality  
Groundwater Protection Value Stream  
Mail Code: 5415B-3  
1110 West Washington Street  
Phoenix, Arizona 85007

Phone (602) 771-4999

### 2.7.6 Reporting Deadline

The following table lists the quarterly report due dates:

Monitoring conducted during quarter:	Quarterly Report due by:
January-March	April 30
April-June	July 30
July-September	October 30
October-December	January 30

The following table lists the semi-annual and annual report due dates:

Monitoring conducted:	Report due by:
Semi-annual: January-June	July 30
Semi-annual: July-December	January 30
Annual: January-December	January 30

### 2.7.7 Changes to Facility Information in Section 1.0

The Groundwater Protection Value Stream shall be notified within ten days of any change of facility information including Facility Name, Permittee Name, Mailing or Street Address, Facility Contact Person, or Emergency Telephone Number.

## 2.8 Temporary Cessation [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A209(A)]

The permittee shall give written notice to the Groundwater Protection Value Stream before ceasing operation of the facility for a period of 60 days or greater. The permittee shall take the following measures upon temporary cessation:

1. If applicable, direct the wastewater flows from the facility to another state-approved wastewater treatment facility;
2. Correct the problem that caused the temporary cessation of the facility; and
3. Notify Groundwater Protection Value Stream with a monthly facility status report describing the activities conducted on the treatment facility to correct the problem.
4. SMRF reporting is still required during Temporary Cessation.

At the time of notification the permittee shall submit for ADEQ approval a plan for maintenance of discharge control systems and for monitoring during the period of temporary cessation. Immediately following ADEQ approval, the permittee shall implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. During the period of temporary cessation, the permittee shall provide written notice to the Groundwater Protection Value Stream of the operational status of the facility every three years. If the permittee intends to permanently cease operation of any facility, the permittee shall submit closure notification, as set forth in Section 2.9 below.

## 2.9 Closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9-A209(B)]

For a facility addressed under this permit, the permittee shall give written notice of closure to the Groundwater Protection Value Stream of the intent to cease operation without resuming activity for which the facility was designed or operated.

### 2.9.1 Closure Plan

Within 90 days following notification of closure or as required in Section 3.0, Compliance Schedule Item No. 41, the permittee shall submit for approval to the Groundwater Protection Value Stream, a closure plan which meets the requirements of A.R.S. § 49-252 and A.A.C. R18-9-A209(B)(3).

If the closure plan achieves clean-closure immediately, ADEQ shall issue a letter of approval to the permittee. If the closure plan contains a schedule for bringing the facility to a clean-closure configuration at a future date, ADEQ may incorporate any part of the schedule as an amendment to this permit.

### **2.9.2 Closure Completion**

Upon completion of closure activities, the permittee shall give written notice to the Groundwater Protection Value Stream indicating that the approved closure plan has been implemented fully and providing supporting documentation to demonstrate that clean-closure has been achieved (soil sample results, verification sampling results, groundwater data, as applicable). If clean-closure has been achieved, ADEQ shall issue a letter of approval to the permittee at that time. If any of the following conditions apply, the permittee shall follow the terms of post-closure stated in this permit:

1. Clean-closure cannot be achieved at the time of closure notification or within one year thereafter under a diligent schedule of closure actions;
2. Further action is necessary to keep the facility in compliance with the AWQS at the applicable POC;
3. Continued action is required to verify that the closure design has eliminated discharge to the extent intended;
4. Remediation or mitigation measures are necessary to achieve compliance with Title 49, Ch. 2; and
5. Further action is necessary to meet property use restrictions.
6. SMRF submittals are still required until Clean Closure is issued.

### **2.10 Post-closure [A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9 A209(C)]**

Post-closure requirements shall be established based on a review of facility closure actions and will be subject to review and approval by the Groundwater Protection Value Stream.

In the event clean-closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to the Groundwater Protection Value Stream a post-closure plan that addresses post-closure maintenance and monitoring actions at the facility. The post-closure plan shall meet all requirements of A.R.S. §§ 49-201(30) and 49-252 and A.A.C. R18-9-A209(C). Upon approval of the post-closure plan, this permit shall be amended or a new permit shall be issued to incorporate all post-closure controls and monitoring activities of the post-closure plan.

#### **2.10.1 Post-Closure Plan**

A specific post-closure plan may be required upon the review of the closure plan.

#### **2.10.2 Post-Closure Completion**

Not required at the time of permit issuance.

**3.0 COMPLIANCE SCHEDULE [A.R.S. § 49-243(K)(5) and A.A.C. R18-9-A208]**

For each CSI listed below, the permittee shall submit the required information, including a cover letter that lists the CSIs, to the Groundwater Protection Value Stream.

No.	Description	Due by:	Permit Amendment Required?
1	The permittee is required to submit a signed, dated and sealed Engineer's Certificate of Completion (ECOC) for the new and modified units of WWTP prior to discharging and within 90 days of completion of construction per Section 2.2.3.	By October 15, 2019 and every year after submit a status report of the ECOC.	No
<b>Financial Assurance Mechanism</b>			
2	The permittee shall submit a demonstration that the financial assurance mechanism listed in Section 2.1, Financial Capability, is being maintained as per A.R.S. 49-243.N.4 and A.A.C. R18-9-A203(H) for all estimated closure and post-closure costs including updated costs submitted under Section 3.0, No. 3 below. The demonstration shall include a statement that the closure and post-closure strategy has not changed, the discharging facilities listed in the permit have not been altered in a manner that would affect the closure and post-closure costs, and discharging facilities have not been added. The demonstration shall also include information in support of the Letter of Credit demonstration as required in A.A.C. R18-9-A203(C)(5).	By October 15, 2024 and every 6 years thereafter, for the duration of the permit.	No
3	The permittee shall submit updated cost estimates for facility closure and post-closure, as per A.A.C. R18-9-A201 (B)(5) and A.R.S. 49-243.N.2.a.	By October 15, 2024 and every 6 years thereafter.	Yes

**4.0 TABLES OF MONITORING REQUIREMENTS**

**4.1 PRE-OPERATIONAL MONITORING (OR CONSTRUCTION REQUIREMENTS)**

Not applicable.

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**4.0 TABLES OF MONITORING REQUIREMENTS****4.2 COMPLIANCE (or OPERATIONAL) MONITORING****TABLE IA<sup>1</sup> - Existing WWTP  
ROUTINE DISCHARGE MONITORING**

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
1 <sup>2</sup>	Flow meter located downstream of the filters		35° 13' 56.7"N		111° 48' 40.4" W
Parameter	AL <sup>3</sup>	DL <sup>4</sup>	Units	Sampling Frequency	Reporting Frequency
Reuse Flow: Daily <sup>5</sup>	Not Established <sup>6</sup>	Not Established	mgd <sup>7</sup>	Daily	Quarterly
Reuse Flow: Monthly Average <sup>8</sup>	0.095	0.10	mgd	Monthly Calculation	Quarterly
Flow: AZPDES Daily	Not Established	Not Established	mgd	Daily	Quarterly
Flow: AZPDES Monthly Average	0.095	0.10	mgd	Monthly Calculation	Quarterly

<sup>1</sup> The permittee shall cease monitoring under Table IA and begin monitoring under Table IA-1 upon initiation of the new and modified units to the WWTP per Compliance Schedule 3.0, item # 1.

<sup>2</sup> Sampling Point # 1 is for Flow Only.

<sup>3</sup> AL = Alert Level

<sup>4</sup> DL = Discharge Limit

<sup>5</sup> Flow shall be measured using a continuous recording flow meter which totals the flow daily.

<sup>6</sup> Not Established = Monitoring is required but no limits are specified.

<sup>7</sup> mgd = million gallons per day

<sup>8</sup> Monthly = Calculated value = Average of daily flow values in a month.

**4.2 COMPLIANCE (or OPERATIONAL) MONITORING**

**TABLE IA**  
**ROUTINE DISCHARGE MONITORING** (continued)

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
2 <sup>9</sup>	Sampling point at Effluent Pump Station		35° 14' 21" N		111° 49' 24" W
Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
<b>Nutrients and Pathogens:</b>					
Fecal Coliform: Single sample maximum	No Limit	23.0	MPN <sub>10</sub>	Daily <sup>11</sup>	Quarterly
Fecal Coliform: four (4) of seven (7) samples in a week <sup>12</sup>	Non-detect	Non-detect <sup>13</sup>	MPN	Weekly Calculation	Quarterly
Total Nitrogen <sup>14</sup> : Five-sample rolling geometric mean	8.0	10.0	mg/l	Monthly Calculation <sup>15</sup>	Quarterly
<b>Metals (total):</b>					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

<sup>9</sup> Sampling Point # 2 is for monitoring Nutrients and Pathogens, Metals, VOCs and SVOCs

<sup>10</sup> MPN = Most Probable Number / 100 ml sample. For MPN, a value of <2.2 shall be considered to be non-detect.

<sup>11</sup> For Fecal Coliform only, "daily" sampling means every day in which a sample can practicably be obtained and analyzed.

<sup>12</sup> **Week** means a seven-day period starting on Sunday and ending on the following Saturday.

<sup>13</sup> Fecal Coliform four (4) of the last seven (7) samples" requires entering "Compliance" or "Non-compliance" on the SMRF for each week of the reporting period. Evaluate the daily Fecal Coliform results for that week (Sunday through Saturday). If, of these seven days, four or more of the daily Fecal Coliform results are non-detect, report "Compliance" for that week's entry on the SMRF. If three or fewer of the daily Fecal Coliform results are non-detect, report "Non-compliance for that week's entry on the SMRF.

<sup>14</sup> Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

<sup>15</sup> A five-month geometric mean of the results of the five (5) most recent samples

#### 4.2 COMPLIANCE (or OPERATIONAL) MONITORING

**TABLE IA**  
**ROUTINE DISCHARGE MONITORING** (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
<b>Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):</b>					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) <sup>16</sup>	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

<sup>16</sup>Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.



#### 4.0 TABLES OF MONITORING REQUIREMENTS

##### 4.2 COMPLIANCE (or OPERATIONAL) MONITORING

**TABLE IA-1<sup>17</sup> - Upgraded WWTP  
ROUTINE DISCHARGE MONITORING**

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
4 <sup>18</sup>	Flow meter located downstream of the filters		35° 13' 56.7"N		111° 48' 40.4" W
Parameter	AL <sup>19</sup>	DL <sup>20</sup>	Units	Sampling Frequency	Reporting Frequency
Reuse Flow: Daily <sup>21</sup>	Not Established <sup>22</sup>	Not Established	mgd <sup>23</sup>	Daily	Quarterly
Reuse Flow: Monthly Average <sup>24</sup>	0.156	0.165	mgd	Monthly Calculation	Quarterly
Flow: AZPDES Daily	Not Established	Not Established	mgd	Daily	Quarterly
Flow: AZPDES Monthly Average	0.156	0.165	mgd	Monthly Calculation	Quarterly

<sup>17</sup> Sampling under this Table shall commence upon initiation of new and modified units to the WWTP per Compliance Schedule 3.0, item # 1.

<sup>18</sup> Sampling Point # 4 is for Flow Only.

<sup>19</sup> AL = Alert Level

<sup>20</sup> DL = Discharge Limit

<sup>21</sup> Flow shall be measured using a continuous recording flow meter which totals the flow daily.

<sup>22</sup> Not Established = Monitoring is required but no limits are specified.

<sup>23</sup> mgd = million gallons per day

<sup>24</sup> Monthly = Calculated value = Average of daily flow values in a month.

**4.2 COMPLIANCE (or OPERATIONAL) MONITORING**

**TABLE IA-1**  
**ROUTINE DISCHARGE MONITORING** (continued)

Sampling Point Number	Sampling Point Identification		Latitude		Longitude
5 <sup>25</sup>	Sampling point at Effluent Pump Station		35° 14' 21" N		111° 49' 24" W
Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
<b>Nutrients and Pathogens:</b>					
Fecal Coliform: Single sample maximum	No Limit	23.0	MPN <sub>26</sub>	Daily <sup>27</sup>	Quarterly
Fecal Coliform: four (4) of seven (7) samples in a week <sup>28</sup>	Non-detect	Non-detect <sup>29</sup>	MPN	Weekly Calculation	Quarterly
Total Nitrogen <sup>30</sup> : Five-sample rolling geometric mean	8.0	10.0	mg/l	Monthly Calculation <sup>31</sup>	Quarterly
<b>Metals (total):</b>					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

<sup>25</sup> Sampling Point # 5 is for monitoring Nutrients and Pathogens, Metals, VOCs and SVOCs

<sup>26</sup> MPN = Most Probable Number / 100 ml sample. For MPN, a value of <2.2 shall be considered to be non-detect.

<sup>27</sup> For Fecal Coliform only, "daily" sampling means every day in which a sample can practicably be obtained and analyzed.

<sup>28</sup> **Week** means a seven-day period starting on Sunday and ending on the following Saturday.

<sup>29</sup> Fecal Coliform four (4) of the last seven (7) samples" requires entering "Compliance" or "Non-compliance" on the SMRF for each week of the reporting period. Evaluate the daily Fecal Coliform results for that week (Sunday through Saturday). If, of these seven days, four or more of the daily Fecal Coliform results are non-detect, report "Compliance" for that week's entry on the SMRF. If three or fewer of the daily Fecal Coliform results are non-detect, report "Non-compliance for that week's entry on the SMRF.

<sup>30</sup> Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

<sup>31</sup> A five-month geometric mean of the results of the five (5) most recent samples

**4.2 COMPLIANCE (or OPERATIONAL) MONITORING**

**TABLE IA-1**  
**ROUTINE DISCHARGE MONITORING** (continued)

Parameter	AL	DL	Units	Sampling Frequency	Reporting Frequency
<b>Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs):</b>					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) <sup>32</sup>	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

<sup>32</sup>Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

**4.2 COMPLIANCE (or OPERATIONAL) MONITORING**

**TABLE IB**  
**RECLAIMED WATER MONITORING TABLE - CLASS A+<sup>33</sup>**

Sampling Point Number	Sampling Point Identification		Latitude	Longitude
3	Sampling point at Effluent Pump Station		35° 14' 21" N	111° 49' 24" W
Parameter	DL <sup>34</sup>	Units	Sampling Frequency	Reporting Frequency
Fecal Coliform: Single-sample maximum	10.0	MPN <sup>35</sup>	Daily <sup>36</sup>	Quarterly
Fecal Coliform: Four (4) of last seven (7) samples	Non-detect <sup>37</sup>	MPN	Daily Evaluation	Quarterly
Total Nitrogen <sup>38</sup> : Five-sample rolling geometric mean <sup>39</sup>	10.0	mg/l <sup>40</sup>	Monthly Calculation	Quarterly
Turbidity <sup>41</sup> : Single reading	5.0	NTU <sup>42</sup>	Everyday <sup>43</sup>	Quarterly
Turbidity: 24-hour average	2.0	NTU	Everyday	Quarterly

<sup>33</sup> Reclaimed water monitoring under Table IB shall be performed in addition to routine discharge monitoring required under Section 4.2, Table IA-1 only.

<sup>34</sup> DL = discharge limit

<sup>35</sup> MPN = Most Probable Number / 100 ml sample. For MPN, a value of <2.2 shall be considered to be non-detect.

<sup>36</sup> For Fecal Coliform, “daily” sampling means every day in which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four samples in each week are obtained and analyzed.

<sup>37</sup> If at least four (4) of the last seven (7) samples are non-detect, report “yes” in the appropriate space on the SMRF (indicating that the standard has been met). If at least four (4) of the last seven (7) samples have detections of fecal coliform, report “no” in the appropriate space on the SMRF (indicating that the standard has **not** been met).

<sup>38</sup> Nitrate N, plus Nitrite N, plus Total Kjeldahl Nitrogen (TKN)

<sup>39</sup> The 5-sample rolling geometric mean is determined by multiplying the five (5) most recent monthly sample values together then taking the fifth root of the product. *Example:  $GM_5 = \sqrt[5]{(m_1)(m_2)(m_3)(m_4)(m_5)}$*

<sup>40</sup> mg/l = milligrams per liter.

<sup>41</sup> Turbidimeter shall have a signal averaging time not exceeding 120 seconds. Occasional spikes due to back-flushing or instrument malfunction shall not be considered an exceedance. All exceedances must be explained and submitted to the Department with the corresponding quarterly SMRF.

<sup>42</sup> Nephelometric Turbidity Units

<sup>43</sup> For the single turbidity reading, “everyday” means the maximum reading during the 24 hour period.

**4.2 COMPLIANCE (or OPERATIONAL) MONITORING**

**TABLE III**  
**FACILITY INSPECTION (OPERATIONAL MONITORING) - LOG BOOK<sup>44</sup>**

<b>Pollution Control Structure/Parameter</b>	<b>Performance Level</b>	<b>Inspection Frequency</b>
Pump Integrity	Good working condition	Weekly
Treatment Plant Components	Good working condition	Weekly

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<sup>44</sup> The permittee shall record the inspection performance levels in a log book as per Section 2.7.2, and report any violations or exceedances as per Section 2.7.3. In the case of an exceedance, identify which structure exceeds the performance level in the log book.

## **5.0 REFERENCES AND PERTINENT INFORMATION**

The terms and conditions set forth in this permit have been developed based upon the information contained in the following, which are on file with the Department:

1. APP Amendment Application, dated: February 14, 2018
2. Contingency Plan, dated: February 12, 2018
3. Final Hydrologist Memo, dated: June 15, 2017
4. Final Engineering Memo, dated: June 22, 2018
5. Financial Review Memo, dated: August 22, 2018
5. Public Notice, dated: TBD
6. Public Hearing, dated: Not applicable
7. Responsiveness Summary, dated: Not applicable

## **6.0 NOTIFICATION PROVISIONS**

**6.1 Annual Registration Fees**

The permittee is notified of the obligation to pay an Annual Registration Fee to ADEQ. The Annual Registration Fee is based upon the amount of daily influent or discharge of pollutants in gallons-per-day (gpd) as established by A.R.S. § 49-242.

**6.2 Duty to Comply [A.R.S. §§ 49-221 through 263]**

The permittee is notified of the obligation to comply with all conditions of this permit and all applicable provisions of Title 49, Chapter 2, Articles 1, 2 and 3 of the Arizona Revised Statutes, Title 18, Chapter 9, Articles 1 through 4, and Title 18, Chapter 11, Article 4 of the Arizona Administrative Code. Any permit non-compliance constitutes a violation and is grounds for an enforcement action pursuant to Title 49, Chapter 2, Article 4 or permit amendment, suspension, or revocation.

**6.3 Duty to Provide Information [A.R.S. §§ 49-243(K)(2) and 49-243(K)(8)]**

The permittee shall furnish to the Director, or an authorized representative, within a time specified, any information which the Director may request to determine whether cause exists for amending or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

**6.4 Compliance with Aquifer Water Quality Standards [A.R.S. §§ 49-243(B)(2) and 49-243(B)(3)]**

The permittee shall not cause or contribute to a violation of an AWQS at the applicable POC for the facility. Where, at the time of issuance of the permit, an aquifer already exceeds an AWQS for a pollutant, the permittee shall not discharge that pollutant so as to further degrade, at the applicable point of compliance for the facility, the water quality of any aquifer for that pollutant.

**6.5 Technical and Financial Capability**

**[A.R.S. §§ 49-243(K)(8) and 49-243(N) and A.A.C. R18-9-A202(B) and R18-9-A203(E) and (F)]**

The permittee shall have and maintain the technical and financial capability necessary to fully carry out the terms and conditions of this permit. Any bond, insurance policy, trust fund, or other financial assurance mechanism provided as a demonstration of financial capability in the permit application, pursuant to A.A.C. R18-9-A203(C), shall be in effect prior to any discharge authorized by this permit and shall remain in effect for the duration of the permit.

**6.6 Reporting of Bankruptcy or Environmental Enforcement [A.A.C. R18-9-A207(C)]**

The permittee shall notify the Director within five days after the occurrence of any one of the following:

1. the filing of bankruptcy by the permittee; or
2. the entry of any order or judgment not issued by the Director against the permittee for the enforcement of any environmental protection statute or rule.

**6.7 Monitoring and Records [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A206]**

The permittee shall conduct any monitoring activity necessary to assure compliance with this permit, with the applicable water quality standards established pursuant to A.R.S. §§ 49-221 and 49-223 and §§ 49-241 through 49-252.

**6.8 Inspection and Entry [A.R.S. §§ 49-1009, 49-203(B), and 49-243(K)(8)]**

In accordance with A.R.S. §§ 41-1009 and 49-203(B), the permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to enter and inspect the facility as reasonably necessary to ensure compliance with Title 49, Chapter 2, Article 3 of the Arizona Revised Statutes, and Title 18, Chapter 9, Articles 1 through 4 of the Arizona Administrative Code and the terms and conditions of this permit.

**6.9 Duty to Modify [A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A211]**

The permittee shall apply for and receive a written amendment before deviating from any of the designs or operational practices authorized by this permit.

**6.10 Permit Action: Amendment, Transfer, Suspension, and Revocation  
[A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]**

This permit may be amended, transferred, suspended, or revoked for cause, under the rules of the Department. The permittee shall notify the Groundwater Protection Value Stream in writing within 15 days after any change in the owner or operator of the facility. The notification shall state the permit number, the name of the facility, the date of property transfer, and the name, address, and phone number where the new owner or operator can be reached. The operator shall advise the new owner or operators of the terms of this permit and the need for permit transfer in accordance with the rules.

**7.0 ADDITIONAL PERMIT CONDITIONS****7.1 Other Information [A.R.S. § 49-243(K)(8)]**

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit the correct facts or information.

**7.2 Severability  
[A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. The filing of a request by the permittee for a permit action does not stay or suspend the effectiveness of any existing permit condition.

**7.3 Permit Transfer**

This permit may not be transferred to any other person except after notice to and approval of the transfer by the Department. No transfer shall be approved until the applicant complies with all transfer requirements as specified in A.A.C. R18-9-A212(B) and (C).